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2-208.28

OSDF LEACHATE CONVEYANCE SYSTEM PRE-FINAL DESIGN

07/24/96

USEPA

DOE-FN

4

COMMENTS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

849

JUL 25 10 16 AM '95

REPLY TO THE ATTENTION OF:

JUL 24 1995

Mr. Johnny W. Reising
United States Department of Energy
Feed Materials Production Center
P.O. Box 398705
Cincinnati, Ohio 45239-8705

SRF-5J

RE: OSDF Leachate Conveyance
System Pre-Final Design

Dear Mr. Reising:

The United States Environmental Protection Agency (U.S. EPA) has completed its review of the United States Department of Energy's (U.S. DOE) pre-final design package (90 percent) for the On-Site Disposal Facility (OSDF) leachate conveyance system.

The design package includes design drawings, a systems plan and associated specifications for the leachate conveyance system. The design package conforms to the Operable Unit 2 Record of Decision and generally accepted engineering practices.

Therefore, U.S. EPA approves the OSDF leachate conveyance design package pending incorporation of adequate responses to the attached comments. This approval in no way certifies the design for construction. In addition, U.S. EPA's approval does not imply that the remedy, when constructed, will meet the performance standards or be accepted.

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Please contact me at (312) 886-0992 if you have any questions regarding this matter.

Sincerely,



James A. Saric
Remedial Project Manager
Federal Facilities Section
SFD Remedial Response Branch #2

Enclosure

cc: Tom Schneider, OEPA-SWDO
Jack Baublitz, U.S. DOE-HDQ
John Bradburne, FERMCO
Charles Little, FERMCO
Terry Hagen, FERMCO
Michael Yates, FERMCO

ENCLOSURE

TECHNICAL REVIEW COMMENTS ON THE
PRELIMINARY DESIGN PACKAGE (90 PERCENT)
OPERABLE UNIT 2 ON-SITE DISPOSAL FACILITY
LEACHATE CONVEYANCE SYSTEM

GENERAL COMMENTS

Commenting Organization: U.S. EPA
Section #: NA
Original General Comment #: 1
Comment: The design drawings show abbreviations that are not listed in the acronyms and abbreviation section. It is unclear what these acronyms and abbreviations stand for. For example, Drawing NO. 90X-5500-E-00502, Detail 7 uses the acronym "HWC" but does not define this abbreviation. The acronym and abbreviation list should be revised to define all acronyms and abbreviations.

Commentor: Saric
Line #: NA

Page #: NA

Commenting Organization: U.S. EPA
Section #: NA
Original General Comment #: 2
Comment: Not all of the electrical conduit runs shown on the drawings are sized. The drawings should be revised to show all conduit and wire sizes.

Commentor: Saric
Line #: NA

Page #: NA

SPECIFIC COMMENTS

Commenting Organization: U.S. EPA
Section #: 1.0
Original Specific Comment #: 1
Comment: The systems plan text states that an alternate emergency bypass line to Catch Basin 130 is provided. The preliminary design package (PDP) does not state under what conditions this emergency bypass line will be used and how it will be operated. The text should explain emergency bypass line operating conditions.

Commentor: Saric
Line #: 6 and 7

Page #: 1

Commenting Organization: U.S. EPA
Section #: 2.0
Original Specific Comment #: 2
Comment: The systems plan text states that leak detection will be provided by visual observation. The text should discuss how and when this visual observation will be conducted.

Commentor: Saric
Line #: 12

Page #: 1

Commenting Organization: U.S. EPA
Specification #: 13400 Page #: NA
Original Specific Comment #: 3
Comment: Under products/equipment, the specification text refers to Attachment A for the data sheets on the products. Attachment A does not include data sheets. The data sheets should be included in Attachment A.

Commenting Organization: U.S. EPA
Drawing #: 90X-5500-E-00501 Page #: NA
Original Specific Comment #: 4
Comment: Elevation Pole OP86 refers to Detail No. XX DWG 90X-5500-E-00502. No detail labeled XX appears in this sheet. The detail or sheet number should be revised to reflect the correct information.

Commenting Organization: U.S. EPA
Drawing #: 92X-5900-E-00323 Page #: NA
Original Specific Comment #: 5
Comment: The Bionitrification Surge Lagoon plan refers to heat tracing. The PDP contains no specification for heat tracing. A heat tracing specification should be provided.